

PAT-NO: JP02001179594A

DOCUMENT-IDENTIFIER: JP 2001179594 A

TITLE: CLOTH FOR POLISHING MAGNETIC DISK

PUBN-DATE: July 3, 2001

INVENTOR-INFORMATION:

NAME	COUNTRY
TOMIOKA, SADA0	N/A
KIYOMURA, ETSUO	N/A
SATO, DAISUKE	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
TORAY IND INC	N/A

APPL-NO: JP11366067

APPL-DATE: December 24, 1999

INT-CL (IPC): B24B029/00, B24B021/00 , B24D003/00 , B24D011/00 ,
D03D001/00

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a cloth for polishing a magnetic disk allowing texture machining of uniform surface roughness Ra regardless of size of grains.

SOLUTION: At least weft comprises crimped threads mainly made of polyester extra fine filament fiber with substantially round cross section, and the weft covers larger area of a surface than warp. The cloth comprises five or more satin fabric with cover factor CF represented by the following equation is
$$2400-3400. \quad CF = [\text{warp total fineness (dtex)}]^{1/2} \times [\text{warp density (number/25.4 mm)}] + [\text{weft total fineness (dtex)}]^{1/2} \times [\text{weft density}]$$

(number/25.4 mm) .

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TITLE: Fabric for magnetic disk polishing, comprises
weft thread which has extra fine polyester filament
and satin sheet with specific cover factor

PATENT-ASSIGNEE: TORAY IND INC[TORA]

PRIORITY-DATA: 1999JP-0366067 (December 24, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
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ABSTRACTED-PUB-NO: JP2001179594A

BASIC-ABSTRACT:

NOVELTY - The fabric comprises a weft thread which has extra fine polyester filament. The area of the weft thread is larger than the warp thread. The fabric has a satin sheet which has cover factor of 2400-3400, the cover factor being computed by a specified relationship including total warp thread size and warp thread density, and total weft thread size and weft thread density.

USE - The fabric is used for magnetic disk polishing.

ADVANTAGE - Provision of polyester extra fine filament ensures uniform polishing and fine surface roughness.

DESCRIPTION OF DRAWING(S) - The figure shows a sectional view of the fiber.

CHOSEN-DRAWING: Dwg.2/2

TITLE-TERMS: FABRIC MAGNETIC DISC POLISH COMPRISE WEFT THREAD EXTRA FINE

POLYESTER FILAMENT SATIN SHEET SPECIFIC COVER FACTOR

DERWENT-CLASS: A23 A88 F03 L03 P61

CPI-CODES: A03-A05A; A05-E01B3; A12-A03; A12-S05F; F02-A03A; F04-E;
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